

CREDIT OPINION

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New Issue

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State of Hawaii

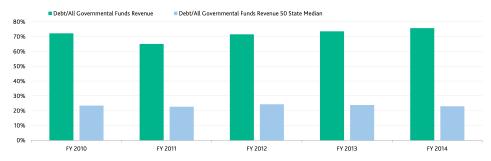
New Issue: Moody's assigns Aa2 to \$851M Hawaii GO bonds Series FB, FC, FD, FE and FF; outlook positive

Summary Rating Rationale

Moody's Investors Service has assigned Aa2 ratings to the State of Hawaii's 2016 General Obligation Bonds to be issued in an estimated total amount of \$851 million in five series: Series FB, Taxable Series FC, Refunding Series FD, Refunding Series FE, and Refunding Series FF. Following this sale, the state will have approximately \$6.4 billion general obligation bonds outstanding, all rated Aa2.

The Aa2 rating incorporates Hawaii's improved financial operations with increasing reserves and healthy revenue growth; high fixed costs for debt, pensions, and other postemployment benefits (OPEB); and a tourism-based economy that is vulnerable to national and international economic fluctuations. Pension reforms for new employees are expected to reduce the state's retirement costs over time, and financial plans incorporate a funding of 100% of the OPEB annual required contribution (ARC) by 2019 per statute or earlier per the current administration's proposals. However, the state's fixed costs will remain among the highest in the country at least over the medium term due to the increase in OPEB spending and the state's responsibility for financing K-12 capital needs. Hawaii has strong governance practices such as multi-year financial planning, quarterly binding consensus revenue forecasting, and timely financial reporting.





Source: Moody's Investors Service US state debt medians reports.

Credit Strengths

» Financial governance practices including multi-year planning, quarterly consensus revenue forecasting, and strong executive power to reduce spending.

- » Historical fiscal conservatism; prompt action to address revenue shortfalls.
- » Low unemployment rates; healthy growth in tourism industry; stable military presence.
- » Strong liquidity position.
- » Rapid amortization of debt; no exposure to variable rate debt or derivative products.
- » Commitment to and progress toward reducing pension and OPEB liabilities, including funding fully the OPEB ARC.

Credit Challenges

- » Vulnerability to shifts in Hawaii's tourism-based economy, resulting in revenue falloff and budget shortfalls.
- » Large state and local government employment sector that contributes to spending pressure for salary and benefit settlements.
- » Debt ratios that are among the highest in the nation, although these debt levels are largely attributable to the state's responsibility for funding all the capital needs of its centralized K-12 school system.
- » High pension and OPEB liabilities.

Rating Outlook

The positive rating outlook reflects Hawaii's restoration of reserves, and its proactive measures to improve the funding of its pension and OPEB liabilities, including the state's plans to fund fully its OPEB ARC, combined with strong revenue trends.

Factors that Could Lead to an Upgrade

- » Absorbing the full OPEB ARC into the budget without a significant erosion of reserve levels.
- » Increased economic diversification and reduced economic volatility.
- » Sustained reduction in debt ratios and significant improvement in pension funded ratios, sooner than currently projected.

Factors that Could Lead to a Downgrade

- » Economic weakening leading to deteriorating revenue trends, budget imbalance, liquidity pressures, and narrowing of financial position.
- » Return to reliance on non-recurring solutions to balance the budget.
- » Increased debt or debt service ratios relative to other states or deterioration of pension funded ratios.

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Key Indicators

Exhibit 2
Hawaii Has Rebuilt Reserves Since the Recession

Hawaii	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014
Operating Fund Revenues (000s)	4,492,990	5,086,023	5,340,250	5,838,577	5,606,221
Balances as % of Operating Fund Revenues	-3.3%	7.0%	11.1%	20.2%	19.2%
Net Tax-Supported Debt (000s)	5,506,809	5,360,242	5,912,089	6,636,905	6,908,297
Net Tax-Supported Debt/Personal Income	10.2%	9.6%	10.0%	10.6%	10.8%
Net Tax-Supported Debt/Personal Income 50 State Median	2.8%	2.8%	2.8%	2.6%	2.5%
Debt/All Governmental Funds Revenue	72.2%	65.1%	71.5%	73.5%	75.7%
Debt/All Governmental Funds Revenue 50 State Median	23.4%	22.7%	24.3%	23.8%	23.0%
Adjusted Net Pension Liability/All Govt Funds Revenue	155.2%	132.5%	199.1%	125.8%	141.1%
Adjusted Net Pension Liability/All Govt Funds Revenue 50 State Median	57.1%	48.7%	63.9%	60.3%	59.2%
Total Non-Farm Employment Change (CY)	-0.8%	1.3%	2.0%	2.1%	1.1%
Per Capita Income as a % of US (CY)	103.8%	101.6%	100.9%	101.0%	100.6%

Source: State audited financial statements with Moody's Investors Service adjustments; Moody's Investors Service state debt and pension medians reports; US Bureau of Labor Statistics; US Bureau of Economic Analysis.

Recent Developments

Recent developments are incorporated into the Detailed Rating Considerations.

Detailed Rating Considerations

Economy and Tax Base

Although Hawaii's economy has shown some diversification, its large tourism industry remains key to the economy and the state's economic performance closely tracks tourism trends. As a highly desirable tourist destination for international and domestic visitors, the tourism industry is somewhat insulated from US economic cycles and has at times been counter-cyclical. The recent recession was particularly challenging since both national and international visitations were affected at the same time. Visitor arrivals did not surpass the pre-recession peak (2007) until 2012. Growth since that time has been strong, however, and visitor arrivals and hotel room rates hit record levels in 2015.

A sizable military presence adds stability, and military housing construction has contributed to expanding construction activity. Federal defense spending in Hawaii, dictated by the island's strategic geographic importance, plays a large part in the state's economy. Federal activity amounts to about 15% of Hawaii's gross state product, with much of it defense related. This is augmented by federal transfer payments for Social Security and federal retirement benefits which also support the state's economy.

The economy is also boosted by strong construction activity. The value of building permits issued has returned to pre-recession levels. Major projects include high-rise condos in Central Honolulu targeted at both visitors and residents, as well as retail commercial projects in Honolulu and new hotel/resort projects primarily on the neighbor islands. Large public projects include the Honolulu rails system and improvements at the airports and port.

The state's employment trends are generally less volatile than in other tourism dependent states such as Florida and Nevada. Unlike most mainland states, Hawaii did not experience a severe housing market bust during the recession. Hawaii's unemployment rate, 2.9% in December 2015, remains well below the national average as it was throughout the recession. Median family incomes are among the highest in the nation, but per capita income levels are closer to the US average.

Financial Operations and Reserves

General Fund tax revenue growth was particularly strong in fiscal 2013, 9.9% on a budget basis and 8.2% on a GAAP basis. This growth reflected a continuation of the underlying economic strength that produced strong growth in 2010, 2011, and 2012. But it also reflected some one-time factors including the acceleration by taxpayers of capital gains income into calendar 2012 due to federal tax law changes and delays in processing certain payments related to tax collection makeup for the City and County of Honolulu in late fiscal 2013.

Growth in tax revenues stalled in fiscal 2014. Total tax revenues dropped 1.8% from 2013 on a budget basis and 4.0% on a GAAP basis. This decline reflected, in part, the one-time factors in fiscal 2013. Additionally, a \$55.5 million deposit in the Hawaii Hurricane Relief Fund (HHRF) was excluded from General Fund revenues. Nevertheless, recurring tax revenues remained essentially flat. Officials estimate that after adjusting for the makeup payments to Honolulu and the HHRF deposit, total tax revenues on a declined by 0.2% on a budget basis.

Driven by the underlying economic trends, strong growth resumed in fiscal 2015. General fund tax revenues increased by an estimated 6.8% over 2014 levels on a budget basis and 9.0% on a GAAP basis.

In its January forecast, the Hawaii Council of Revenues projects that General Fund tax revenues to increase by 6.7% in fiscal 2016, and increase from its 6.0% September projection. Year-to-date figures suggest that actual revenues may exceed this projection. The council is currently projecting revenue growth of 4.5% to 5.5% per year in the out years (2017-2021) of its multi-year forecast period.

Strong reserve levels are important for Hawaii given the state's vulnerability to national and international shifts in its essential tourism-based economy. Balance sheet deterioration during the recent recession reflected the state's use of one-time actions for budget relief, including the use of reserve balances from both the emergency budget reserve (EBR) and the Hawaii Hurricane Relief Fund (HHRF). At the low point, the state reported negative GAAP balances for fiscal years 2009 and 2010. In the prior 2001 recession, the state's available reserves hit a low of about 7.5% of operating revenues at the end of fiscal 2003, but were never negative.

As its economy has recovered, Hawaii has rebuilt its balances to a healthy position relatively quickly. Moody's measure of available reserves (primarily unassigned General Fund balance plus the HHRF) grew to a strong 20.1% of operating revenues at the end of fiscal 2013, up from 11.1% at the end of fiscal 2012 and essentially equal to the pre-recession peak of 21% at the end of fiscal 2006. Reserves remained essentially unchanged in fiscal 2014 due to the flat revenues in that year and because the state increased its OPEB contribution to \$100 million greater than planned. Available reserves increased again in fiscal 2015, reaching a record 25.7% of revenues.

On a budget basis, total reserves are projected to increase by \$163 million in 2016. Current projections show reserves being drawn down in 2017 and 2018 as the state ramps up its OPEB contributions and then increasing in 2019 and beyond.

LIQUIDITY

Hawaii does not engage in short-term borrowing for cash flow purposes and relies on pooled treasury cash for temporary internal borrowing as needed. During the recession, when the state's General Fund reserves were depleted, some General Fund challenge was indicated by payment deferrals at the end of fiscal 2009 and the delay of fiscal 2010 personal income tax refunds until fiscal 2011. But liquidity levels have improved substantially since that time and the state has not engaged in any additional deferrals.

Debt and Pensions

DEBT STRUCTURE

Hawaii compares unfavorably with other states on measures such as debt ratios, pension funding levels, and OPEB liabilities. Debt per capita is \$4,867 ranking Hawaii third highest among the states and over four times Moody's 50-state median of \$1,012. As a percentage of personal income, Hawaii's debt is the highest in the country at 10.8%, compared with the median of 2.5%.

These debt ratios are, in part, attributable to the fact that unlike other states Hawaii is entirely responsible for the capital needs of its centralized K-12 school system. Total state and local government debt ratios indicate that the state's debt is a more manageable burden on the state's economy than suggested by comparison to the state medians. Nevertheless, the state's high levels of direct debt contribute to its high fixed costs. Hawaii's fiscal 2014 debt service ratio (debt service costs relative to total revenue available for debt service) is also high at 10.4%, ranking the state third and well above the median of 5.1%.

Hawaii's general obligation bonds are conservatively structured with a maximum maturity of 20 years and level annual debt service. As a result, payout of the state's general obligation debt is relatively rapid. Prior to the current offering, 67% of principal is repaid in 10 years.

DEBT-RELATED DERIVATIVES

The state has no variable rate debt and no debt-related derivatives.

PENSIONS AND OPEB

The state's pension liabilities are above average, contributing to its high fixed costs. Moody's 2013 Adjusted Net Pension Liability (ANPL) for Hawaii was 125.8% of state governmental revenues, the tenth highest of the 50 states and more than twice times the median of 60.3%. Hawaii's three-year average ANPL was 143.0% of revenues, the sixth highest and well above the median of 52.8%.

Pension reforms adopted in 2011 are expected to improve the funding levels of the state's retirement system over the long term. Benefits were reduced for new members after June 30, 2012, and employer contributions were increased. A moratorium on any enhancement of retirement benefits remains in effect until the funded ratio reaches 100%. Additional reforms approved by the legislature and the governor in 2012 focused on reducing the "spiking" of final compensation. These later changes have the largest potential impact on counties who employ most of the police and fire workers. While the retirement system reforms will reverse the steep increase in the projected unfunded liability pre-reform and lead to a steady improvement in the funded ratio, the state does not expect the total unfunded liability to begin declining for approximately 8 to 10 years.

Hawaii's OPEB unfunded obligation is also quite sizeable at \$11.2 billion as of July 1, 2013, of which the state's portion is approximately \$8.5 billion, reflecting health benefits for state employees as well as teachers paid by the state. This liability was equivalent to 129.7% of state governmental revenues, the highest of the 50 states. The valuation report for July 1, 2015 showed an total unfunded obligation of \$11.8 billion, of which approximately \$9.1 billion was the state's portion. These increases were less than projected earlier due to benefit reforms and increased contributions by employers.

As in most states, Hawaii has funded its OPEB costs on a pay-go basis. However, in the 2013 legislative session, the state adopted a plan to require phasing in higher annual required contribution (ARC) payments by the state and counties beginning in fiscal 2015. By fiscal 2019, the payments would reach 100% of the ARC. Notably, the state also made a \$100 million contribution in fiscal 2014, which is in addition to its planned contributions. The current administration has proposed further increasing OPEB contributions to reach 100% of the ARC in fiscal 2017.

Management and Governance

Hawaii has very strong governance practices, including consensus revenue forecasts, updated quarterly, and multi-year financial planning. The governor has power to restrict spending during the fiscal year, if necessary. The constitution does not provide for voter initiatives. The state plans to adopt a debt affordability study and debt polices in fiscal year 2017.

Legal Security

The five series of bonds that comprise the current offering are general obligations of the state, to which the state has pledged its full faith, credit and resources. The bonds have a first charge on all general fund resources.

Use of Proceeds

Proceeds of the Series FB and FC bonds will fund various state public improvement projects. Proceeds of the Series FD, FE and FF bonds will be used to refund outstanding bonds for debt service savings.

Obligor Profile

Hawaii is the 40th largest state by population, at 1.4 million. Its state gross domestic product is 38th largest. The population's income levels are above average, with per capita personal income equal to 101% of the US level and a median household income equal to 146%. Its poverty rate is in the bottom third among states.

Methodology

The principal methodology used in this rating was US States Rating Methodology published in April 2013. Please see the Ratings Methodologies page on www.moodys.com for a copy of this methodology.

Ratings

Exhibit 3

HAWAII (STATE OF)

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Issue	Rating
General Obligation Bonds of 2016, Series FB	Aa2
Rating Type	Underlying LT
Sale Amount	\$500,000,000
Expected Sale Date	03/15/2016
Rating Description	General Obligation
General Obligation Refunding Bond of 2016,	Aa2
Series FE	
Rating Type	Underlying LT
Sale Amount	\$182,385,000
Expected Sale Date	03/31/2016
Rating Description	General Obligation
General Obligation Refunding Bonds of 2016,	Aa2
Series FD	
Rating Type	Underlying LT
Sale Amount	\$6,000,000
Expected Sale Date	03/31/2016
Rating Description	General Obligation
General Obligation Refunding Bonds of 2016,	Aa2
Series FF	
Rating Type	Underlying LT
Sale Amount	\$137,165,000
Expected Sale Date	03/31/2016
Rating Description	General Obligation
Taxable General Obligation Bonds of 2016, Series	Aa2
FC	
Rating Type	Underlying LT
Sale Amount	\$25,000,000
Expected Sale Date	03/15/2016
Rating Description	General Obligation
Source: Moody's Investors Service	

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